LOZA, G.M., prof.; BUZILOV, Yu.T., dots.; GROMOV, M.N., dots.; NIKIFOROV, M.A., dots.; FEFELOV, V.P., kand. ekon. nauk; SINYUKOV, M.I., dots.; SAL'KOVA, A.D., dots.; GRANDITSKIY, P.A., dots.; TIKHONOVA, Ye.M., red.

[Practical aid for the organization and planning of production on collective and state farms] Praktikum po organizatsii i planirovaniiu proizvodstva v kolkhozakh i sovkhozakh. Moskva, Kolos, 1965. 526 p. (MIRA 18:5)

SOV/137-58-9-18754

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 86 (USSR)

AUTHORS: Yefremkin, V.V., Fefelova, G.F.

TITLE: Investigation of a Calcium Hydrogenation Process (Issledovaniye protsessa gidrirovaniya kal'tsiya)

PERIODICAL: Tr. Ural'skogo n.-i. khim. in-ta, 1957 (1958), Nr 5, pp 136-151

ABSTRACT: An investigation is made of the possibility of hydrogenating Ca filings with and without the addition of catalyst thereto. It is found that the reaction of Ca filings (without the addition of catalyst) and H_2 occurs at a furnace temperature of 600-700°C. The filings overheat and fuse. Addition of 1.3-2.6% NaCl reduces hydrogenation temperature to 300°. Fusion of the filings can be prevented by introducing a given amount of Ar into the reaction vessel. The hydrogenation process goes in 3 stages: Chemo-sorption of H_2 on the surface of the Ca; an autocatalytic reaction described by the equation $g = k\tau^n + C$ and a period of diffusion in which the hydrogenation reaction goes in accordance with the equation $g = l\sqrt{\tau} - m\tau - d$. 1. Calcium--Hydrogenation 2. Calcium--Catalysis 3. Hydrogenation--Analysis G.S.

Card 1/1

PISKAREVA, N.A.; PISAREVA, N.A.; ALEKSEYENKO, L.D.; PEFELOVA, K.I.

Clinical testing of the dry antirabies UF-vaccine on a limited contingent of people. Trudy Len.inst.epid.i mikrobiol. 22:203-206 '61. (MIRA 16:2)

1. Iz antirabicheskoy laboratorii Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera i pasterovskogo otdeleniya Leningradskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(RABIES—PREVENTIVE INOCULATION)

FEFELOVA, L.I.

Work practice of the district pediatrist of Drobyshevo District, Omsk Province. Vop.okh.mat. i det. 2 no.1:55-56 Ja-F '57. (MLRA 10:2)

1. Glavnyy pediatr Omskoy oblasti.
(DROBYSHEVO DISTRICT--PEDIATRICS)

SOSKIN, A.; FEFELOVA, T., red.

[Modern equipment should serve the seven-year plan] Peredovuiu tekhniku - na sluzhbu semiletke. Moskva, Gos.izd-vo polit. lit-ry, 1959. 1 v. (MIRA 13:4)
(Russia--Economic policy)

FEFER, A., kand.tekhn.nauk

Do not dump slags bu utilise them. NTO 2 no.10:11-16 O '60.
(MIRA 13:10)

1. Nachal'nik laboratorii Ural'skogo filiala Akademii stroitel'stva i arkhitektury SSSR, Chelyabinsk.
(Metallurgy)

FEFER, A. I. (Engr.) PARFENOV, O. D. (Engr.)

"Mechanized Computation of Automatic Lathe Setups." in book Some Problems in the Modern Technology of Instrument Making, Moscow. Oborongiz, 1956. 126 p. Moscow. Aviationnyy tekhnolggicheskiy institut. 1957

The author discusses a newly developed device for checking the accuracy of setting-up automatic lathes. The principle of operation and examples of practical application of this device are presented. There are 4 Soviet references.

PEFER, A.I., inzhener; PARFENOV, O.D., inzhener.

Mechanizing computing operations in adjusting automatic lathes.
Trudy MATI no.33:101-108 '57. (MIRA 10:10)
(Lathes) (Automatic control)

AUTHORS: Korablev, P.A., Fefer, A.I. SOV/119-58-7-8/10

TITLE: On the Problem of Adjusting Rotary Automatic Machines (K voprosu o podnaladke tokarnykh avtomatov)

PERIODICAL: Priborostroyeniye, 1958, Nr 7, pp. 26-28 (USSR)

ABSTRACT: The basic system of an automatic adjusting apparatus operates as follows: The measuring device, which indicates the total dimensions of the working parts in as much as they deviate from those to which they are adjusted emits electric pulses in accordance with these deviations. The latter are transmitted to the organ operating the cutter tool, the height and the direction of the pulses determining the shifting of this tool.
The following may be said as the result of experimental tests:
1.) The wear of the cutting tool exercises the greatest influence upon the accuracy of the working parts.
2.) This influence causes displacement above all in one direction, so that in automatic adjustment only a simple mechanism is necessary for the purpose of eliminating this fault.
3.) Faults of shapes can be measured together with faults of dimensions by means of rotary automatic machines.

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On the Problem of Adjusting Rotary Automatic Machines SOV/119-58-7-8/10

4.) Faults with respect to shape and dimensions are quite considerable with working conditions being as they are just now, so that automatic adjustment is rendered rather difficult. At present a device for the automatic re-adjustment of a rotary automatic apparatus is being developed by a plant which manufactures these apparatus. There are 5 figures, 2 tables, and 1 Soviet reference.

1. Machine tools (Automatic)---Control systems

Card 2/2

FEFER,A.I, Cand Tech Sci -- (diss) "Problems of ~~accuracy~~ precision in the adjustment of an instrument on ~~the~~ lathe ~~automats~~ automatic in ~~the manufacture of instruments~~ instrument building." Mos, 1959. 14 pp (Min of Higher Education USSR. Mos Order of Lenin Aviation Inst im Sergo Ordzhonikidze). 160 copies (KL,39-59, 105)

61

S/536/59/000/040/005/005
E062/E435

AUTHOR: Fefer, A.I., Engineer

TITLE: Problems of the accuracy of measuring and actuating instruments in the automatic setting up of the tool in automatic lathes

PERIODICAL: Moscow. Aviatsionnyy tekhnologicheskiy institut. Trudy. No.40. 1959. Voprosy tekhnologii priborostroyeniya, pp.98-111

TEXT: The accuracy of the automatic setting up of the tool to a large extent depends upon the sequence of the machining operations and control. The following methods are used:
1) the component is measured before machining;
2) the component is measured during the process of machining;
3) the component is measured after machining;
4) the component is measured during and after machining.
The advantages and limitations of the methods are discussed. There exist very few instruments for measuring such quantities as the arithmetic mean of component dimensions. A brief description is given of one such instrument: a spring loaded probe, gear trains and a ratchet arrangement are used. Formulae

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are quoted showing the relations of the accuracy and precision of the instrument to the errors in its elements. A description is given of an instrument using a solenoid operated ratchet and pawl arrangement and a lead screw which advances the tool of a lathe by a fixed amount when a switch is operated. An automatic tool advancing apparatus is also described. In it the instrument for measuring average size of component, discussed before, is used in conjunction with a potentiometer pick-up in a feedback control system. A relay operated servo-motor is used to move the tool so as to correct deviations of component size. B.S.Bayburov, Doctor of Technical Sciences N.A.Borodachev, Academician N.G.Bruyevich, Candidate of Technical Sciences I.I.Murashov, Doctor of Technical Sciences Professor B.A.Tayts are mentioned for their contributions in this field. There are 7 figures and 3 Soviet references.

FEFER, A.I.

Problems of precise longitudinal form machining on automatic lathes in the instrument industry. Nauch.dokl.vys.shkoly; mash. i prib. no.1:163-170 '59. (MIRA 12:8)

1. Stat'ya predstavlena kafedroy "Tekhnologiya aviapriborostroyeniya" Moskovskogo aviatsionnogo instituta.
(Turning)

24(7)

AUTHORS: Borisov, N. D., Nemoshkalenko, V. V., Fefer, A. M. SOV/48-23-5-8/31

TITLE: Structure of the Energy Spectrum of Electrons in Iron - Chromium Alloys (Struktura energeticheskogo spektra elektronov v zhelezo-khromistykh splavakh)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 5, pp 573 - 577 (USSR)

ABSTRACT: Great interest is displayed for the phase transformation $\alpha \rightarrow \delta$ of the alloys of the system Fe-Cr, since a fundamental change in the structure of the crystal lattice and the physical properties take place along with this transformation. The authors assume these transformations to be related to a change of the energy state of the electrons of the atoms in individual alloy components. Investigations of the changes of the X-ray spectral lines, especially the transition of electrons from the outer energy field to the K-level, are to supply the fundaments for the understanding of the mechanism of phase transformation and of the changes in physical properties. Mention is made of investigations carried out by Kazantsev (Refs 1 and 2), which were not altogether successful

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because of unsuitable experimental arrangements. The preparation of samples and their treatment are described, and the K-lines of pure iron and pure chromium, taken in two microphotograms at 1000°C, are shown. The computed values of the width of the K-band of chromium and iron in various alloy compositions at a temperature of 1000°C are shown in table 2, and the computed values of the Fermi energies and of the energies of the 3d band are given, taking into account the α, σ and γ phases. Both tables are discussed in detail, and a diagram (Fig 3) is plotted with the respective data, depicting the superimpositions of the energy fields of chromium and iron in Fe-Cr alloys. It is shown in this connection that in the mean range of the concentration of both components the energy of the 3d band of iron exhibits a minimum, and that of chromium a maximum. There are 3 figures, 4 tables, and 3 Soviet references.

ASSOCIATION: Rentgeno-spektral'naya laboratoriya Instituta metallofiziki Akademii nauk USSR(X-ray Spectral Laboratory of the Institute of Metal Physics of the Academy of Sciences, UkrSSR)

FEFER, A.I.

Automatic readjustment of cutting tools on automatic lathes. Izv.-vys.ucheb.zav.;prib. 4 no.4:120-127 '61. (MIRA 14:9)

1. Moskovskiy aviatsionnyy tekhnologicheskiy institut. Rekomendovana kafedroy tekhnologii aviapriborostroyeniya.
(Lathes)

BORISOV, N.D.; FEYER, A.M.

Measuring X-ray spectra' line breadths. Sbor. nauch. rab. Lab. metallofiz. no.5:138-143 '54. (MIRA 8:9)
(X-rays--Spectra)

FELER, A.M.

Solid-state spectroscopy of metals and alloys as a method of studying the electron structure of their conductivity [illegible]
L. D. Borisov, and A. M. Feler. [illegible]
12 3[illegible] (Russian summary) [illegible]
[illegible]nsts, like the Curie point and [illegible]
[illegible]mpared to the results of [illegible]
[illegible]ucture of the cond. band [illegible]
[illegible]tually, and of an alloy [illegible]
[illegible]lved the detn. of the fine structure [illegible]
of a large aperture spectrograph [illegible]
[illegible] radius of 500 mm and [illegible]
[illegible]estigating the center region [illegible]
[illegible] positions of the wave length [illegible]
bands, the width and [illegible]
of [illegible]

[illegible]

Roentgeno-Spectral Lab, Inst [illegible]
Acad Sci UkrSSR

AUTHOR: Borisov, N.D., Nemoshkalenko, V.V., Fefer, A.M. 48-10-14/20

TITLE: X-Ray Spectral Method of Investigating Electron Distribution According to States in Metals and Alloys (Rentgenospektral'nyy metod issledovaniya raspredeleniya elektronov po sostoyaniyam v metallakh i splavakh)

PERIODICAL: Izvestiya AN SSSR Seriya Fizicheskaya, 1957, Vol.21, Nr 10, pp.1424-1434 (USSR)

ABSTRACT: On a powerful spectrograph with a crystal-bending radius of 500 mm and a tube for the recording of X-ray spectra of samples subjected to high temperatures, it was possible, by the method of primary excitation, at 1000° and with an oscillating crystal, to obtain emission lines of the Kβ-group of pure chromium and iron as well as of Fe-Cr alloys with 4, 5, 8, 20, 30, 45, 50 and 75% chromium content. It is shown that the transition of chromium and iron to the Fe-Cr alloy in the alloy-component-concentration domain under investigation as well as the transition of the γ-composition along the axis into an α-solid solution exercises no influence (within the limits of measuring errors) upon the position of the maxima of FeK_{β_1}-, FeK_{β_5}- and CrK_{β_1}-lines. It is shown that the CrK_{β_5}-band maximum is shifted in the direction of the longwave side with an increase of iron concentration,

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whereas the shortwave edge of the Cr$K\beta_5$-band is shifted in the direction of the shortwave side with an increase of iron concentration and attains the lowest values within the central domain of the component concentration of iron-chromium alloys. It is further shown that the conductivity width of band and the number "n" of the "exterior" electrons differ per atom in the case of all alloy component concentrations with the exception, as it seems, of two, i.e. chromium and iron. In the central domain of concentration of chromium-iron alloy components they attain their minimum value in iron and their maximum value in chromium. Modifications of the width of the $K\beta_5$-band of chromium and iron, as well as the position of the shortwave edge of the chromium band points in the direction of a complicated modification of the electron structure of chromium- and iron atoms in Fe-Cr alloys with the component-concentration modification of Fe-Cr alloys. It is shown that the transition of the γ-composition along the axis into an α-solid solution is characterized in iron by a considerable modification of the course of T_{max} (kinetic electron energy in the

conductivity band) - component concentration of the Fe-Cr alloys-curve. There are 6 figures, 5 tables, and 10 references, 8 of which are Slavic.

ASSOCIATION: Institute for Metal Physics AS Ukrainian SSR (Institut metallofiziki Akademii nauk SSSR)

AVAILABLE: Library of Congress

BORISOV, N.D.; NEMOSHKALENKO, V.V.; FEFER, A.M.

Effect of the concentration of components in iron-chromium alloys on structure of the energy spectrum of chromium and iron conduction zones at high temperatures. Issl. po zharopr. splav. 3:252-263 '58. (MIRA 11:11)
(Iron-chromium alloys--Metallography)
(Electron diffraction examination) (Metals at high temperature)

AUTHORS: Borisov, N. D., Nemoshkalenko, V. V., Fefer, A. M. SOV/2o-121-2-19/53

TITLE: The Structure of the Energy Spectrum of Electrons in Iron-Chromium Alloys (Struktura energeticheskogo spektra elektronov v zhelezo-khromistykh splavakh)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 2, pp. 264 - 267 (USSR)

ABSTRACT: The $\alpha \rightarrow \sigma$ phase transformation of Fe-Cr alloys is of high interest because of the changed structure of the crystal lattice and the modification of different physical properties occurring in connection with it. These modifications are connected with modified energetical conditions of the atom electrons of the alloy component. The investigation of the modification of the fine structure of X-ray spectral lines - caused by transitions of electrons from exterior energetic bands to the K-level - offers an insight into the character of the σ-phase, the mechanism of the $\alpha \rightarrow \sigma$ phase transition and into the physical properties. In the present paper investigations of K_{β_5} X-ray emission bands of chromium and iron in Cr-Fe

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alloys are described. Similar investigations, namely of K-absorption spectra of the K_β-group of chromium and iron of a Fe-Cr alloy with 52,38% of iron were carried out by Kazantsev (Refs 1,2), yet the weak linear dispersion of the spectrograph applied did not permit a clear interpretation of the results. The authors of the present paper investigated Fe-Cr alloys with 35,45 and 55 % by weight of chromium; very pure Cr and Fe was obtained by electrolytical methods, the alloy was homogeneously tempered in a vacuum high-frequency furnace at 1150° for 50 hours. The transformation of the alloy from the α- into the σ-phase took place during the isothermal annealing at 650° in the course of 150 hours. The procedure adopted in the experiments was described in a previous paper (Ref 3) and is not repeated here. The results for pure Fe, pure Cr and 10 Fe-Cr alloys of different composition are given in a table. There are 2 figures, 2 tables, and 3 references, which are Soviet.

The Structure of the Energy Spectrum of Electrons in Iron-Chromium Alloys SOV/2o-121-2-19/53

ASSOCIATION: Institut metallofiziki Akademii nauk SSSR (Institute of Metal Physics of the AS USSR)

PRESENTED: February 11, 1958, by G.V.Kurdyumov, Member, Academy of Sciences, USSR

SUBMITTED: February 4, 1958

Card 3/3

FEFER, A.M.

18(7) PHASE I BOOK EXPLOITATION SOV/3355

Akademiya nauk SSSR. Institut metallurgii. Mashiny dovet po probleme zharoprochnykh splavov

Issledovaniya po zharoprochnym splavam, t. IV (Studies on Heat-resistant Alloys, vol. 4) Moscow, Izd-vo AN SSSR, 1959. 400 p. Errata slip inserted. 2,200 copies printed.

Ed. of Publishing House: V. A. Klimov; Tech. Ed.: A. P. Gusova; Editorial Board: I. P. Bardin, Academician; G. V. Kurdyumov, Academician; N. V. Ageyev; Corresponding Member, USSR Academy of Sciences; I. A. Oding, I. M. Pavlov, and I. P. Zudin, Candidate of Technical Sciences.

PURPOSE: This book is intended for metallurgists concerned with the structural metallurgy of alloys.

COVERAGE: This is a collection of specialized studies of various problems in the structural metallurgy of heat-resistant alloys. Some are concerned with theoretical principles, some with descriptions of new equipment and methods, others with properties of specific materials. Scientific personnel working with specified conditions are studied and reported on. For details, see Table of Contents. The articles are accompanied by a number of references, both Soviet and non-Soviet.

TABLE OF CONTENTS:

BORISOV, N.D.; NEMOSHKALENKO, V.V.; FEFER, A.M.

Effect of temperature and small concentrations of impurities (Ti, Fe, Ni, Hf, Ta) on the fine structure of the X-ray band in chromium. Issl.po zharopr.splav. 8:14-19 '62.

(MIRA 16:6)

(Chromium—Metallography)
(Metals, Effect of temperature of)

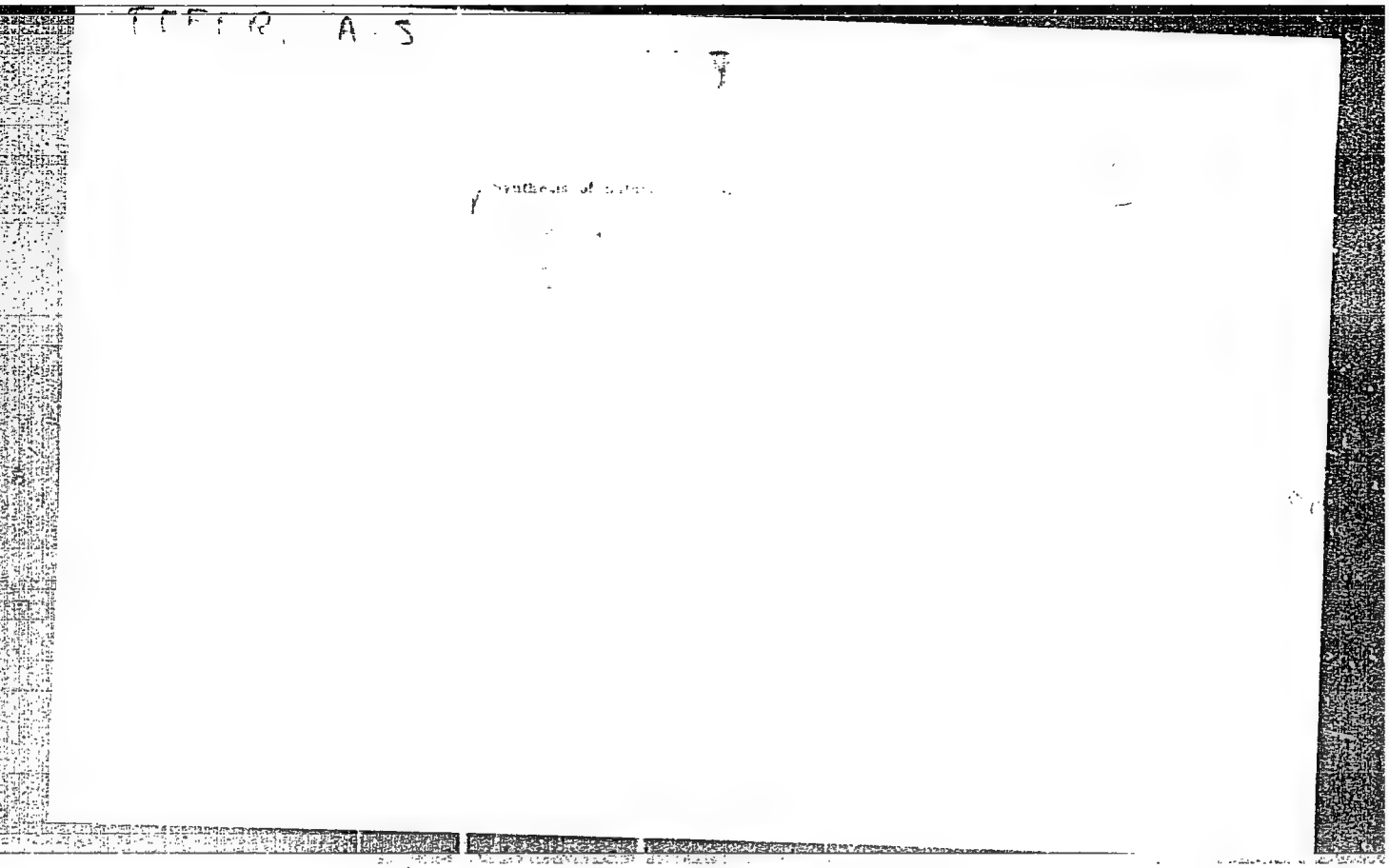
Journal of the American
Ceramic Society
July 1954
Structural Clay Products

(2)

Argillites as structural material. A. S. Feder and G. D. Sokolov. *Steklo i Keram.*, 10 [10] 21–23 (1953).—Characteristics of argillites are given. Tests showed them to be suitable for brickmaking, heat-insulating products, pipes, etc. Insulating products made of 50% argillite and 50% ground brick or naturally fired kaolinite clay with 0.1% foaming agent had a bulk density of 0.6 to 1.2 gm./m.^{3} and a strength of 5 to 60 kg./cm.^{2}; they could be cut, sawed, and nailed. B.Z.K.

FEFER, A.S.; SOKOLOV, G.D.; KLEYMENOVA, K.F., vedushchiy redaktor; POLOSINA, A.S., tekhnicheskiy redaktor.

[Argillite as a new type of raw material for the building materials industry] Argillity - novoe syr'e dlia proizvodstva stroitel'nykh materialov. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1954. 69 p. (MLRA 8:1)
(Building materials industry) (Clay)



FEFER, E.V., inzh.

Organization of construction work. Stroi. truboprov. 7 no.12: 8-9 D '62. (MIRA 16:1)

1. Trest Tatnefteprovodstroy, Kazan'.
(Gas, Natural--Pipelines)

MARETSKAYA, M.F.; BAYADINA, S.A.; GARELIK, O.S.; BONDARENKO, T.V.; SHISHOVA, Ye.M.; DOMBROVSKAYA, Yu.F., professor, chlen-korrespondent Akademii meditsinskikh nauk SSSR, direktor; FEFER, F.I., glavnyy vrach; GEYSHINA, R.V., zaveduyushchiy.

Pneumonia in infants. Sov.med. 17 no.7:30-32 Jl '53. (MLRA 6:8)

1. Klinika detskikh bolezney I Moskovskogo ordena Lenina meditsinskogo instituta (for Dombrovskaya). 2. Akademiya meditsinskikh nauk SSSR (for Dombrovskaya). 3. Detskaya bol'nitsa Frunzenskogo rayona (for Fefer). 4. Detskoye otdeleniye poliklinik No. 56 (for Geyshina). (Pneumonia)

USSR

Anthelmintic effects of watermelon seeds. I. M. Feler, M. Z. Mindlin, and N. N. Prokopovich (Inst. Advance. Pharmachis, Kiev.). *Farmakol. i Toksikol.* 17, No. 5, 60-1(1954).—Tannins and essential oils were found in watermelon seeds, but no alkaloids. The fatty oil, as well as aq. and alc. exts. of hull or of kernels, paralyze tapeworms and roundworms in cats. The anthelmintic activity is higher than that of pumpkin seeds. Julian F. Smith

Chem Pharmacy + Pharmacology.

PEYER, I.M.

Solid portion of the fatty oil of fennel fruit as a substitute for cocoa butter. Apt.delo 7 no.5:30-34 S-O' 58 (MIRA 11:10)

1. Iz apteki No.42 (Kiyev).
(FENNEL)
(CACAO BUTTER)

ZINCHENKO, T.V.; FEFER, I.M.

Chemical investigation of Marrubium praecox Janka of the mint family (Labiatae). Farmatsev. zhur. 16 no.1:47-51 '61. (MIRA 17:8)

1. Kiyevskiy institut usovershenstvovaniya vrachey, kafedra farmakognozii i farmakologii.

FEFER, I.M.

Study of the solid portion of the fatty acid oil from the fruits of fennel. Farmatsev. zhur. 17 no.1:45-48 '62.
(MIRA 15:6)

1. Kafedra farmakognozii Kiyevskogo instituta usovershenstvovaniya vrachey.
(FENNEL)
(OILS AND FATS)

ZINCHENKO, T.V.; FEFER, I.M.

Studying the glycosides of the hedge nettle Stachys betonica.
Farmatsev. zhur. 17 no.3:35-38 '62. (MIRA 17:10)

1. Kafedra farmakognozii i farmakologii Kiyevskogo instituta usovershenstvovaniya vrachey.

L 46736-66 EWT(m)/EWP(v)/EWP(j)/T IJP(c) WW/RM

ACC NR: AR6000275 (A) SOURCE CODE: UR/0081/65/000/014/S064/S064

AUTHORS: Sidorov, V. A.; Fefer, I. P.

TITLE: Napped rolls made of elastic polyurethane foam materials

SOURCE: Ref. zh. Khimiya, Abs. 14S396

REF SOURCE: Vestn. tekhn. i ekon. inform. n.-i. in-t tekhn-ekon. issled. Gos. kom-ta khim. prom-sti pri Gosplane SSSR, vyp. 11, 1964, 15-16

TOPIC TAGS: polyurethane, resin, epoxy plastic, foam plastic, adhesion, industrial [illegible] nitrile rubber / MF-17 resin, ED-5 resin, E-40 epoxy plastic, SKN-26 nitrile rubber

ABSTRACT: Experiments were conducted in the application of cotton nap on polyurethane foam roll in an electrostatic field. It was established that the quality of the produced material is determined by the nature of the adhesive, its application method, and the method of the subsequent thermal treatment. Satisfactory results were obtained with adhesives based on polyurethanes (PU), polyvinylacetate emulsion with addition of MF-17 and ED-5 resins. To decrease toxicity and to increase the stability of the adhesive based on PU, nitrile rubber SKN-26, "Igelit" brand of polyvinyl chloride, was added to it. Compositions based on SKN-26 and phenolformaldehyde resins "Bakelit S" (40--60 parts by weight of resin per 100 parts by weight of rubber) were employed as well as a combination of the epoxy resin E-40 with SKN-26 (60:100 parts by

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ACC NR: AR6000275 O

weight). Organic solvents (ethyl acetate, butyl acetate, etc) were used to decrease the viscosity of the adhesive compositions. The adhesive was applied using an impression method involving a printing roller and doctor knife. For the selected adhesives the thermal processing of the nap material should last 20--40 min at 120--140C. Produced nap based on PU will allow substitution of the scarce and expensive fabric employed in daily use in various industrial areas. Z. Ivanova [Translation of abstract]

SUB CODE: 11

Card 2/2 LC

FEFER, I.Iu.; SHULYAKOVSKAYA, N.G.; GROSHIN, I.I.

Problem of malignant degeneration of cicatrices and ulcers of gunshot origin. Ortop., travm. i protez. 21 no.11:30-35 '60. (MIRA 14:4)

(CANCER) (CICATRIX) (ULCERS)

FEFER, I.Yu., kandidat meditsinskikh nauk

Surgical treatment of chronic nonspecific synovitis of the knee. Ortop., travm. i protez. 17 no.2:20-23 Mr-Ap '56. (MLRA 9:12)

1. Iz Moskovskogo ortopedicheskogo gospiralya (nauchnyy rukovoditel' - prof. V.D.Chaklin, nachal'nik - kandidat meditsinskikh nauk S.N. Voskresenskiy)

(SYNOVITIS,
knee, surg. (Rus))
(KNEE, diseases,
synovitis, surg. (Rus))

FETER M.M.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk,; BELOSTOTSKIY, O.B., inzh.; BEHLIN, A.Ye.,inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I.,inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N.,inzh.; VASIL'YEVA, A.A.,inzh.; VORONIN, S.A.,inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A.,inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A.,inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P.,inzh.;DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L.,inzh.; DROZDOV, P.F.,kand. tekhn. nauk,; KOZLOVSKIY,A.A.,inzh.; KIRILENKO, V.G.,inzh.; KOPELYANSKIY, G.D.,kand. tekhn. nauk,; KORETSKIY, M.M.,inzh.; KUKHARCHUK, I.N.,inzh.; KUCHER, M.G.,inzh.; MERZLYAK, M.V.,inzh.; MIRONOV, V.V.,inzh.; NOVITSKIY, G.V.,inzh.; PADUN, N.M.,inzh.; PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I.,kand. biol. nauk,; PINSKIY, Ye.A.,inzh.; POLLUBNYY, S.A., inzh.; PORAZHENKO, F.F.,inzh.; PUZANOV, I.G.,inzh.; REDIN, I.P.inzh.; REZNIK, I.S.,kand. tekhn. nauk,; ROGOVSKIY, L.V.,inzh.; RUDERMAN, A.G.,inzh.; RYBAL'SKIY, V.I.,inzh.; SADOVNIKOV, I.S.,inzh.; SEVER'YANOV, N.N.,kand. tekhn. nauk,; SEMESHKO, A.T.,inzh.; SIMKIN, A.Kh., inzh.: SURDUTOVICH, I.N.,inzh.; TROFIMOV, V.I.,inzh.; FEFER, M.M.,inzh.; FIALKOVSKIY, A.M.,inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F.,inzh.; SHCHERBAKOV, V.I.,inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L.,inzh.,red.: KRAVTSOV,Ye.P., inzh.,red.; GRIGOR'YEV, G.V.,red.; KAMINSKIY, D.N.,red.; KRASOVSKIY, I.P.,red.; LEYTMAN, L.Z., red.[deceased],; GUREVICH, M.S.,inzh.,red.; DANILEVSKIY, A.S.,inzh.,red.; DEMIN, A.M., inzh.,red.; KAGANOV, S.I.,inzh.,red.; KAUFMAN, B.N., kand. tekhn. nauk, red:.LISTOPADOV, N.P.,inzh.,red.; MENDELEVICH, I.R., inzh.,red.[deceased];

(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PEHTKOVSKIY, N.I.,inzh.,red.; ROZENBERG, B.M.,inzh.,red.; SLAVIN, D.S., inzh.,red.; FEDOROV, M.P.,inzh.,red.; TSYMBAL, A.V.,inzh.,red.; SMIRNOV, L.V., red. izd-va,; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi' promyshl. Vol. 3.[Organization of planning; Construction of surface buildings and structures] Organizatsiia proektirovaniia; Stroitel'stvo zdanii i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)

(Mining engineering)
(Building)

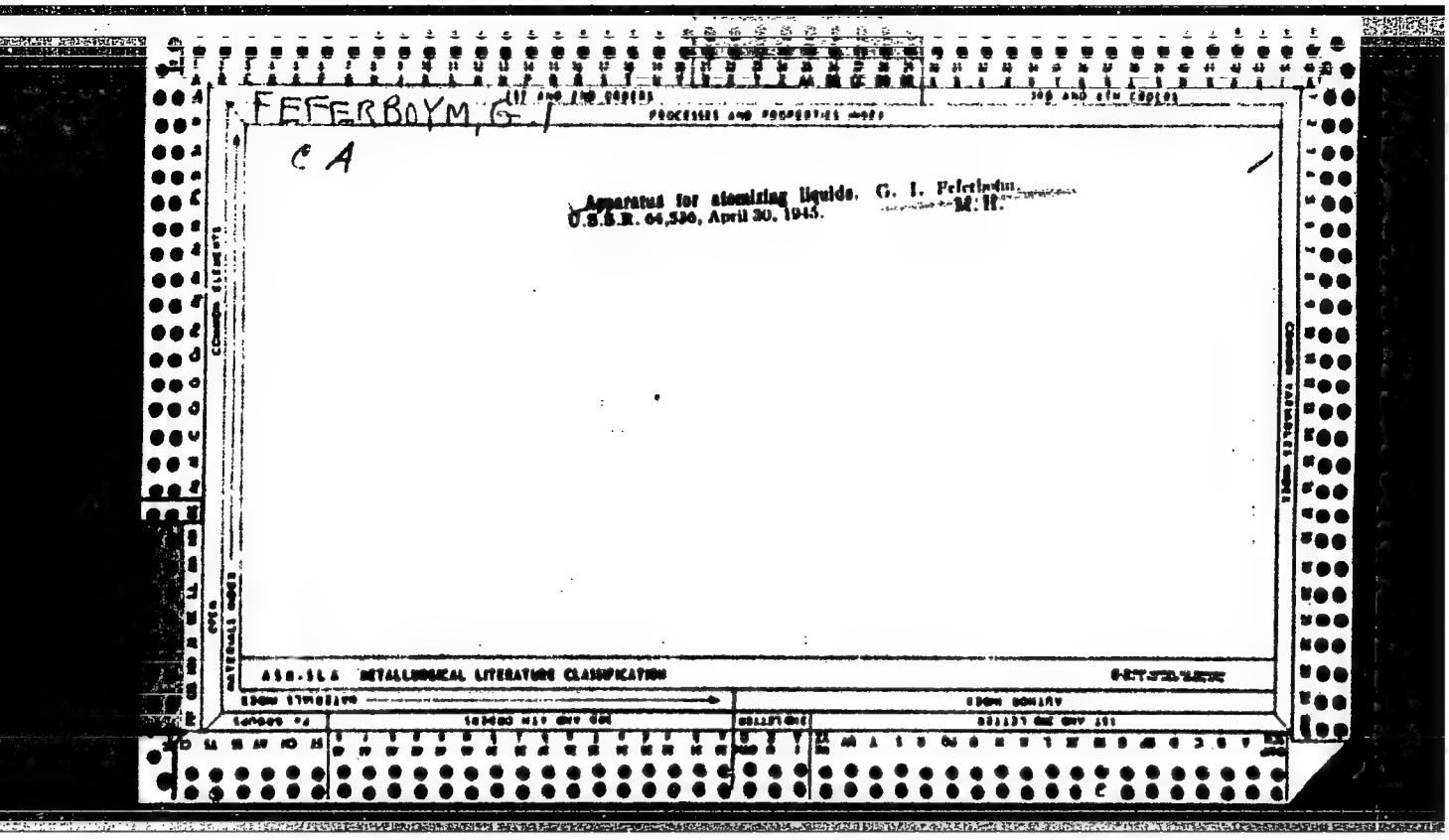
SOLUN, N.S.; FEFER, M.I.

Leucopenia in polyclinical patients. Probl. gemat. i perel. krovi 8 no.7:57-58 Jl '63. (MIRA 17:10)

1. Iz Saratovskoy oblastnoy konsul'tativnoy poliklinik No.2.

SKRITSKIY, Leonid Gennadiyevich, doktor tekhn.nauk; BERENSHTEYN, V.A., inzh., nauchnyy red.; FEYER, Yu.B., inzh., nauchnyy red.; UDOD, V.Ya., red. izd-va; TOKER, A.M., tekhn.red.

[Automatic control in heating, gas supply and ventilation systems] Avtomatika v sistemakh, teplo-gazosnabzheniia i ventilliatsii. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 1957. 175 p. (MIRA 11:3)
(Automatic control)
(Remote control) (Municipal services)



FEFERBOYM, G. I. PA 77T20

USSR/Engineering Mar 1948
Atomization
Paints - Spraying

"Noncompressor Atomization of Viscous Liquids at Pressures of 15-150 Atmospheres," G. I. Feferboym, 4 pp

"Mekh Trud i Tyazh Rabot" No 3

Gives detailed account of apparatus designed for subject purpose by author's institute. Based on principle of hydraulic intensifier, needs no air compressor. Liquid is handled by electrically driven gear wheel pump. Presents sectional drawings of system and photographs showing spray. Apparatus has proved very successful with paint and can be adapted for use with fuels, oils, etc.

77T20

FEFERBOYM, G. I.; GOLYAND, A.M.

Universal air ejector. Rats. i izobr. predl. v stroi. no.105: 8-9 '54. (MLRA 8:10)

(Nozzles)

FEFERBOYM, G.I.

FEFERBOYM, G.I.

Steam sprayer used for heating bitumen. Rats. i izobr. predl. v stroi. no.2:114-116 '57. (MIRA 11:1)

1.Sotrudnik tresta Soyuzspetsstroy.
(Bitumen) (Spraying equipment)

KOZIN, I.G., insh.; FEFERBOYM, G.I., insh.; ZEL'TSER, R.S., insh.

Efficient mobile bitumen boiler. Suggested by I.G.Kozin, G.I. Feferboim, R.S.Zel'tser. Rats.i izobr.predl.v stroi. no.16: 73-75 '60. (MIRA 13:9)

1. Trest Mosotdelstroy No.3 Glavmosstroya, Moskva, proyezd Serova, d.3.

(Bitumen)

BAKULOV, Igor' Alekseyevich, kand. vet. nauk; FEFERMAN, A.Ye., red.; SAYTANIDI, L.D., tekhn. red.

[Measures of veterinary prophylaxis on animal farms] Veterinarno-profilakticheskikh fermakh. Moskva, Izd-vo M-va sel'.khoz.RSFSR, 1963. 75 p. (MIRA 17:1)
(Veterinary medicine)

MARKOVA, Kseniya Vladimirovna; AL'TMAN, Anna Davidovna; FEFERMAN, A.Ye., red.; SHESHNEVA, E.A., tekhn.red.

[Factors which effect the composition of milk] Kakie faktory vliiaiut na sostav moloka. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1963. 155 p. (MIRA 16:12)

(Milk--Composition)
(Dairy cattle--Feeding and feeds)

NAZAROV, Stepan Stepanovich; FEFERMAN, A.Ye., red.; SAYTANIDI, L.D., tekhn. red.

[Protecting bees against poisoning by chemicals] Okhrana pchel ot otravleniia iadokhimikatami. Moskva, Izd-vo Minprozaga RSFSR, 1963. 183 p. (MIRA 17:3)

ANDREYEV, V.V.; FELOTOV, V.G., veter. vrach; FEFERMAN, A.Ye., red.

[Enriching feeds with chemical products] Obogashchenie kormov khimicheskimi produktami. Moskva, Rossel'khozizdat, 1964. 54 p. (MIRA 17:8)

1. Glavnyy zootekhnik po kormoispol'zovaniyu Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov RSFSR (for Andreyev).

VINOGRADOVA, T.V., prof., red.; ZAYTSEV, G.P., prof., red.;
FEFERMAN, A.Ye., red.

[Bees and the health of man] Pchela i zdorov'e cheloveka.
Izd.2., perer. i dop. Moskva, Rossel'khozizdat, 1964. 287 p.
(MIRA 17:11)

VASIL'YEV, Nikolay Aleksandrovich; GENKIN, Pavel Borisovich; SHCHERBATYKH, Maksim Alekseyevich; FEFERMAN, A.Ye., red.

[Sheepshearing and the classification of wool] Strizhka ovets i klassirovka shersti. Moskva, Rossel'khozizdat, 1965. 241 p. (MIRA 18:8)

KRAMARENKO, Nikolay Mikhaylovich, nauchn. sotr., kand. sel'-khoz. nauk; SEMENOV, Nikolay Petrovich, nauchn. sotr., kand. sel'khoz. nauk; ERNST, Lev Konstantinovich; FEFERMAN, A.Ye., red.

[Practices in breeding work with black and white cattle] Opyt plemennoi raboty s krupnym rogatym skotom Cherno-pestroi porody. Moskva, Rossel'khozizdat, 1965. 78 p. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva (for Kramarenko, Semenov).

KOPEL'KIYEVSKIY, Grigoriy Vasil'yevich, doktor sel'khoz. nauk;
BURMISTROV, Aleksey Nikolayevich, kand. sel'khoz. nauk;
FEFERMAN, A.Ye., red.

[Improving the feed supply in bee culture] Uluchshenie kormovoi bazy pchelovodstva. Moskva, Rossel'khozizdat, 1965. 165 p. (MIRA 19:1)

KUMSIYEV, Shalva Alekseyevich, doktor veter. nauk; FEFERMAN, A.Ye., red.

[Methods for the examination and treatment of animals with diseases of the digestive organs] Metody obsledovaniia i terapii zhivotnykh s zabolevaniiami organov pishchovareniia. Moskva, Rossel'khozizdat, 1965. 196 p. (MIRA 19:1)

ZALIVIN, N.N.; FEFERMAN, R.G.

Investigating the process of cord drying with the aid of an electron oscillograph. Kauch. i rez. no.9:53-54 S '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy konstruktorsko-tekhnologicheskiy institut shinnoy promyshlennosti, g. Omsk.
(Tire fabrics--Drying)

FEFERMAN, Ye. I.

USSR / Farm Animals. Swine Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21483

Author : Aleksandrov N. P., Aleksandrov V. T., Feferman Ye. I.
Inst :
Title : Effectiveness of the Utilization of the One-Litter System of Farrowing in the Kolkhozes and Sovkhozes of TsChO (Effektivnost' ispol'zovaniya razovykh svinomatok v kokhozakh i sovkhozakh TsChO)

Orig Pub: Vestn. s.-kh. nauki, 1957, No 3, 3-10

Abstract: If the multiple-litter sows are utilized properly and an accurate evaluation is made, it will appear that the difference in the cost of producing pigs when either the one-litter or multiple-litter system is followed, is not great. If the average weight of a multiple-litter sow is 180 kg. and that of a one-litter sow is 80 kg. before mating and 100 kg. after

Card 1/3

USSR / Farm Animals. Swine

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21483

Abstract: weaning, and if a multiple-litter sow produces 16 pigs and a one-litter sow farrows 7 pigs, then the feeding costs per 1 pig amount to 90 feed units for multiple-litter sow progeny; and for one-litter sow progeny, the same costs amount to 95 feed units. The fertility of sows in the 7 kolkhozes of the Voronezh Oblast was, for multiple-litter sows, 8.2 pigs; for one-litter sows, 6.2 pigs; and in the 7 swine breeding sovkhozes of the same Oblast, 8.8 and 7.5 pigs, respectively. An average weight of thepigs at the age of 2 months in the sovkhoz "Klenovo-Chegodayevo" amounted to 17.1 kg. in the case of multiple-litter sows, and 15.1 kg. in the case of one-litter sows. It is recommended to breed one-litter sows farrowed by prolific mothers, whose progeny, when fattened would produce a weight increase not less than 14-15

Card 2/3

FEFERMAN, Ye. I., nauchnyy sotrodnik; P'YANYKH, M., assistent.

How advanced experience should not be disseminated ("Experince of the swine raising section of the Maslovskii State Farm" by A.T. Grigorovich. Reviewed by E. Feferman and M. P'ianykh). Nauka i pered. op. v sel'khoz. 8 no.3:78-79 Mr '58. (MIRA 11:3)

1. Voronezhskiy filial Vsesoyuznogo instituta ekonomii sel'skogo khozyaystva (for Feferman). 2. Voronezhskiy sel'skokhozyaystvennyy institut (for P'yanykh).

(Swine)
(Grigorovich, A.T.)

MALYGIN, V.I.; FEFERMAN, Ye.I.; LISITSYN, P.I.

Experiment in intensive fattening of growing pigs. Svinovodstvo 13 no.11:22-24 N '59. (MIRA 13:2)

1. Filial po TSentral'no-chernozemnoy zone Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva.
(Swine--Feeding and feeds)

TSAREV, Sergey Georgiyevich; FEFERMAN, A.Ye., red.

[Medicinal plants in veterinary medicine] Lekarstvennye rasteniia v veterinarii. Moskva, Rossel'khozizdat, 1964. 171 p. (MIRA 18:3)

FEFILOV, Afanasiy Ivanovich

[Retail trade in the U.S.S.R.] Roznichnaia torgovlia SSSR. Moskva, Gos. izd-vo torgovoy lit-ry, 1957. 67 p. (MIRA 11:10)
(Retail trade)

FEFILOV, A.I.

Fiftieth anniversary of the G.V.Plekhanov Institute of National Economy. Sov.torg.no.2:12-20 F '57. (MLRA 10:2)

1. Direktor instituta narodnogo khozyaistva imeni G.V.Plekhanova.
(Moscow--Economics--Study and teachings)

GOGOL, B.I., red.; LIFITS, M.M., red.; SEREBRYAKOV, S.V., red. FEFILOV, A.I., red. TYAGAY, Ye., red.; MUKHIN, Yu., tekhn.red.

[Economics of Soviet commerce; a textbook] Ekonomika sovetskoi torgovli; uchebnoe posobie. Moskva, Gos.izd-vo polit. lit-ry, 1958. 391 p. (MIRA 11:2)
(Commerce)

SEREBRYAKOV, S.V., prof., doktor ekonom.nauk; GOGOL', B.I., dotsent; LIFITS, M.M., prof.; FEFILOV, A.I., dotsent; KISTANOV, Ya.A., dotsent; GENKINA, L.S., dotsent; VASIL'YEV, S.S., dotsent; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dotsent; SMOTRINA, N.A., dotsent; KULIKOV, A.G., dotsent; KUZIN, N.I., dotsent; PISKUNOV, V. red. ; .: MUKHIN, Yu., tekhn.red.

[Economics of Soviet commerce] Ekonomika sovetskoi torgovli; uchebnoe posobie. Moskva, Gos.izd-vo polit.lit-ry, 1959. 478 p. (MIRA 12:12)

(Russia--Commerce)

VASIL'YEV, , S.S., dots.; GENKINA, L.S., dots.; GRIGOR'YAN, G.S., dots.; KISTANOV, Ya.A., dots.; KULIKOV, A.G., dots.; LIFITS, M.M., prof.[deceased]; OBLOVATSKIY, F.Ya., dots.; PIROGOV, P.V., dots.; POPOV, A.N., dots.; SMOTRINA, N.A., dots.; FEFILOV, A.I.; STARCHAKOVA, I.I., red.; EL'KINA, E.M., tekhn. red.

[Economics of commerce] Ekonomika torgovli. Red. kollegiia; Vasil'ev, S.S., Grigor'ian, G.S., Fefilov, A.I. Moskva, Gostorgizdat, 1962. 727 p. (MIRA 15:6)
(Commerce)

GRIGOR'YAN, G.V., dots.; KISTANOV, Ya.A., dots.; FEFILOV, A.I., dots.; GENKINA, L.S., dots.; VASIL'YEV, S.S., dots.; SEREBRYAKOV, S.V., prof.; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dots.; GOGOL', B.I., dots.; SMOTRINA, NA., dots.; KULIKOV, A.G., dots.; KUZIN, N.I., dots.; AVETISYAN, Ye., red.; MUKHIN, Yu., tekhn. red.

[Economics of Soviet commerce; textbook] Ekonomika sovetskoi torgovli; uchebnik. Moskva, Gospolitizdat, 1962. 527 p. (MIRA 15:6)

1. Moskovskiy institut narodnogo khozyaystva im. G.V.Plekhanova (for Grigor'yan, Kistanov, Fefilov, Genkina, Vasil'yev, Serebryakov, Dneprovskiy, Pirogov, Gogol', Smotrina, Kulikov, Kuzin).
(Russia—Commerce)

GRIGOR'YAN, G.S.[Hryhor'ian, H.S.], dots.; KISTANOV, Ya.A., dots.; FEFILOV, A.I., dots.; GENKINA, L.S.[Henkina, L.S.], dots.; VASIL'YEV, S.S.[Vasil'iev, S.S.], dots.; SEREBRYAKOV, S.V., prof.; DNEPROVSKIY, S.P.[Dnieprovs'kyi, S.P.], prof.; PIROGOV, P.V.[Pyrohov, P.V.], dots.; GOGOL', B.I.[Hohol', BI.], dots.; SMOTRINA, N.A., dots.; KULIKOV, O.G.[Kulikov, O.H.], dots.; KUZIN, M.I., dots.; DEMIDYUK, V.F.[Demydiuk, V.F.], red.; SKVIRSKAYA, M.P.[Skvyrs'ka, M.P.], red.; LEVCHENKO, O.K., tekhn. red.; SERGEYEV, V.F.[Serhieiev, V.F.], tekhn. red.

[Soviet trade economics] Ekonomika radians'koi torhivli; pid-ruchnyk. [By] G.S.Grigor'ian ta inshi. Kyiv, Derzhpolitvydav URSR, 1962. 500 p. (MIRA 16:11)

(Russia—Commerce)

GRIGOR'YAN, G.S., prof.; KISTANOV, Ya.A., prof.; FEFILOV, A.I., dots.; GENKINA, L.S., dots.; VASIL'YEV, S.S., dots.; SEREBRYAKOV, S.V., prof.; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dots.; GOGOL', B.I., doktor ekon. nauk; SHOTRINA, N.A., dots.; KULIKOV, A.G., prof.; KUZIN, N.I., dots.[deceased]; AVETISYAN, Ye., red.; MUKHIN, Yu., tekhn. red.

[Economics of Soviet trade] Ekonomika sovetskoi torgovli; uchebnik. 2., dop. izd. Moskva, Politizdat, 1963. 519 p. (MIRA 16:12)

(Russia—Commerce)

L 43650-66 EWT(d)/EWT(m)/EWP(f)/T-2 TCH

ACC NR: AT6014876 SOURCE CODE: UR/2752/65/000/077/0022/0024

AUTHOR: Ignat'yeva, O. V.; Karnaukhov, Yu. S.; Fefilov, A. V. 61 B+1

ORG: none

TITLE: Modeling of the transient processes in an automatic system of temperature control of the cooling water of the 8DRN 43/61 engine

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 77, 1965. Avtomatizatsiya i vychislitel'naya tekhnika na morskom flote (Automation and computer engineering in the Merchant Marine), 22-24

TOPIC TAGS: engine cooling system, automatic temperature control, transition flow, model theory, marine engineering, diesel engine / 8DRN 43-61 diesel engine

ABSTRACT: The article discusses the results obtained in modeling, on the MN-7 machine, the transient processes that occur in an automatic system of temperature control of the 8DRN 43/61 engine's cooling water for three different control schemes employed in marine transport vessels. Current work was occasioned by earlier interest in how such transient processes change in an actual engine. The constants of the equation describing the control system dynamics are determined from experimental curves for diesels (V. P. Petrov. *Inform. sb. TsNIIMF*, no. 116, 1964). In scheme 1, the control element is installed in the internal circuit of the cooling system and the

UDC: 62-501.72:621.436-71

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L 43650-66

ACC NR: AT6014876 U

sensing element at the engine input. In scheme 2, the control element is placed in the internal circuit of the cooling system and the sensor is placed at the engine water output. In scheme 3, the control element is placed in the circuit of the water input and control is exercised on the temperature at the engine output. The authors demonstrate that scheme 2 is the most rational choice on the basis of both static and dynamic indications. Orig. art. has: 1 figure.

SUB CODE: 21,12,13/ SUBM DATE: none/ ORIG REF: 001

LS

Card 2/2

L 43654-66 EWT(d)/EWT(m)/EWT(f)/T-2 TCH
ACC NR: AT6014875 (N) SOURCE CODE: UR/2752/65/000/077/0018/0021

AUTHOR: Antonovich, S. A. (Candidate of technical sciences); Fefilov, A. V. 43 B+1

ORG: none

TITLE: Graphic-analytical method of calculating the static characteristics of an automatic system for temperature control of the cooling water in ship diesel engines

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 77, 1965. Avtomatizatsiya i vychislitel'naya tekhnika na morskom flote (Automation and computer engineering in the Merchant Marine), 18-21

TOPIC TAGS: engine cooling system, automatic temperature control, graphic data processing, marine engineering, diesel engine /8DR43-61 diesel engine

ABSTRACT: The article presents a concrete example of a new method of calculating the static characteristics of an automatic system of water temperature control in the cooling system of the 8DR43/61 engine. The method is based on an experimental data processing method described in (*Trudy TsNIIMF*, no. 63, 1965). Generalized data obtained from tests on the 6DR30/50 and 8DR43/61 engines are presented in the form of graphs and formulas. These involve the input and output temperatures of engine coolant, exhaust gas temperature, combustion surface area, cross-sectional area of coolant pipe, temperature of the water exiting from the cooler, and the temperature of the intake

UDC: 62-52.001.24:621.431.74

Card 1/2

L 43654-66

ACC NR: AT6014875

water. The results of laboratory tests of a fluid control system (*Inform. sb. TsNIIMF*, no. 116, 1964) are also utilized. Formulas describing the amount of water necessary for engine cooling under extreme operating conditions are presented. Orig. art. has: 2 figures.

SUB CODE: 21,13/2/ SUBM DATE: none/ ORIG REF: 002

Card 2/2

FEFILOV, B.V.; ZAKAZNOV, N.P.

Tenth anniversary of Fedor Vladimirovich Drozdov's death. Trudy MIIGAIK no.20:81-82 '55. (MIRA 10:1)
(Drozdov, Fedor Vladimirovich, 1889-1944)

ACCESSION NR: AP4047471 S/0120/64/000/005/0121/0122

AUTHOR: Fedilov, B. V.

TITLE: Preamplifier for charged-particle semiconductor detectors

SOURCE: Pribory* i tekhnika eksperimenta, no 5, 1964, 1122-122

TOPIC TAGS: semiconductor detector, charged particle semiconductor detector, particle detector preamplifier

ABSTRACT: The circuit of a charge-sensitive preamplifier to be used in charged particle semiconductor detectors is described. The preamplifier uses a cascade connection and is based on a low-noise triode as the input tube. It has two negative and one positive feedback circuits, and its charge sensitivity is ensured by the detector capacitance being included through a capacitor into the preamplifier negative feedback loop. The signal voltage at the preamplifier output is determined by the magnitude of the charge generated in the depleted detector layer and by the feedback capacitor. In conjunction with the input tube, the positive feedback circuit insures a stage gain of = 600; the build-up time does not exceed 1.5usec. with an

Card 1/2

L 17812-65
ACCESSION NR: AP4047471

open charge feedback circuit. With an output capacitance of 100 pf and time constants of 0.5usec the integrating circuit and the differentiating circuit, the width of the noise line does not exceed 12 kev. Orig. art. has: 1 figure.

ASSOCIATION: Ob" yedinenny*y institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: 14Nov63 ENCL: 00 SUB CODE: EC

NO REF SOV: 001 OTHER: 003

Card 2/2

FEFILOV, B.V., prof., doktor tekhn.nauk; CHEBOTAREV, A.S., prof., doktor, red.; SHLENSKIY, I.A., tekhn.red.

[Applied optics] Prikladnaia optika. Moskva, Izd-vo geodez. i kartograficheskoi lit-ry, 1947. 531 p. (MIRA 13:7)
(Optics)

YELISEYEV, Sergey Vladimirovich, dotsent, kand.tekhn.nauk; RUSINOV, M.M., prof., retsenzent; MORDASOV, N.K., retsenzent; PEPILOV, B.V., prof., retsenzent; SIKACHEV, V.A., red.; KHROMCHENKO, F.I., red. izd-va; ROMANOVA, V.V., tekhn.red.

[Geodetic instruments and apparatus; principles of calculation and design and specific features of manufacture] Geodezicheskie instrumenty i pribory; osnovy rascheta, konstruktsii i osobennosti izgotovleniia. Izd.2., perer. i dop. Moskva, Izd-vo geodez.lit-ry, 1959. 478 p. (MIRA 13:4)

1. Kafedra optiko-mekhanicheskikh priborov Leningradskogo instituta tochnoy mekhaniki i optiki (LITMO) (for Rusinov).
(Surveying--Instruments)

POLIKANOV, S.M.; VAN TUN-SEN; KEKK, Kh.; MIKHEYEV, V.L.; OGANESYAN, Yu.TS.; PLEVE, A.A.; FEFILOV, B.V.; SARANTSEVA, V.R., tekhn. red.

[Formation of nuclei with anomalous periods of spontaneous fission in reactions with heavy ions]Obrazovanie iader s anomal'nym periodom spontannogo deleniia v reaktsiiakh s tiazhelymi ionami. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 6 p. (MIRA 15:10)
(Nuclear fission) (Nuclear reactions)
(Uranium—Isotopes)

POLIKANOV, S.M.; VAN TUN-SEN; KEKK, Kh.; MIKHEYEV, V.L.; OGANESYAN, Yu.TS.; PLEVE, A.A.; FEFILOV, B.V.

Formation of nuclei with anomalous periods of spontaneous fission in reactions involving heavy ions. Zhur. eksp. i teor. fiz. 44 no.3: 804-807 Mr '63. (MIRA 16:3)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Nuclear fission) (Nuclear reactions)(Ions)

L 17597-63 FCS(f)/EWT(m)/BDS S/056/63/044/003/004/053 59 58
AFFTC/ASD

AUTHOR: Polikanov, S. M., Wang T'ung-Sung, Kook, Ch., Mikheyev, ?
Oganesyan, Yu. Ts., Pleve, A. A., and Fofilov, B. V.

TITLE: Formation of nuclei with an anomalous spontaneous fission 19 period in reactions involving heavy ions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 3, 1963, 804-807

TEXT: Continuing the work on spontaneous fissions with anomalously short decay lifetime reported earlier in Ref. 1 (S. M. Polikanov, V. A. Druin, V. A. Karnaukhov, V. L. Mikheyev, A. A. Pleve, N. K. Skobelev, V. G. Subbotin, G. M. Ter-Akopyan, and V. A. Fomichev, ZhETF, 42, 1464, 1962), the authors measured the decay life times and the production curves while bombarding U^{238} by O^{16}, Ne^{20}, Ne^{22}, and B^{11} ions and of U^{235} and Th^{232} by the O^{16} and Ne^{22} ions respectively. The experimental setup was the same as the one described in Ref. 1. Results are contained in Fig. 1 and Table 1. The authors speculate in details about possible reactions leading to the observed fissions and conclude that the present results support the

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Formation of nuclei...'

previously advanced assumption (Ref. 1) that the fissions occur from some isomeric states of $Z < 97$ elements. In the case of Ne and O ions they assume the existence of transfer reactions. The investigation was led by Prof. G. N. Flerov. There is 1 figure and 1 table.

Table 1

Reactions	$U^{238}+B^{11}$	$U^{238}+O^{16}$	$U^{238}+Ne^{20}$	$U^{238}+Ne^{22}$
Number of pulses in the first chamber	82	130	289	89
Number of pulses in the second chamber	20	28	30	16
Calculated value for $T_{\frac{1}{2}}$, msec	15,6±2,8	14,3±1,9	9,7±0,8	12,9±2,1

Note: The decay life time, obtained from only two ionization chambers may actually represent certain averages over several isomeres having different decay life times.

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L 17597-63

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Formation of nuclei...

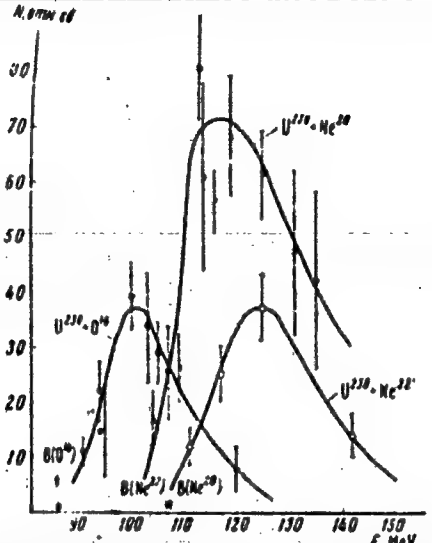

Fig. 1. a - N, relative units

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute for Nuclear Research)

SUBMITTED: August 18, 1962

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L 17338-63 EWT(l)/EWT(m)/BDS/ES(w)-2 AFFTC/ASD/ESD-3/AFWL/IJP(C)/SSD Pab-4

ACCESSION NR: AP3004883 S/0120/63/000/004/0027/0030 71

AUTHOR: Kekk, Kh.; Mikheyev, V. L.; Pleve, A. A.; Fefilov, B. V. 68

TITLE: Measuring heavy-ion energy in the internal beam of a cyclotron 19

SOURCE: Pribory*i tekhnika eksperimenta, no. 4, 1963, 27-30

TOPIC TAGS: cyclotron, cyclotron measurement, heavy ion, heavy-ion energy

ABSTRACT: Ion energy is measured by means of silicon surface-barrier detectors. Scattered by a thin foil at a definite angle, the ions are recorded along with alpha-particles of known energy. The amplitudes of the resulting pulses are compared with the amplitudes of the generator pulses that are fed into the input of a transistorized pre-amplifier operating in an 18-kilooersted-strong magnetic field. The overall error in determining initial ion energy does not exceed 2%; it is largely due to the GI-2A pulse generator. The energy measuring method is claimed to be convenient for use in apparatus intended for investigating some

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ACCESSION NR: AP3004883

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effects of the ion energy. "The authors consider it their pleasant duty to thank G. N. Flerov for initiating this project and his constant interest in it. We also thank S. M. Polikanov for directing the project." Orig. art. has: 4 figures.

ASSOCIATION: Ob"yedinenny*y institut yaderny*kh issledovaniy (United Nuclear Research Institute)

SUBMITTED: 18Aug62 DATE ACQ: 28Aug63 ENCL: 00

SUB CODE: NS NO REF SOV: 002 OTHER: 005

Card 2/2

FEFILOV, B.V.

Preamplifier for semiconductor detectors of charged particles.
Prib. i tekh. eksp. 9 no.5:121-123 S-O '64. (MIRA 17:12)

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Rural electrification; experience in the kolkhozes in the Udmurt ASSR Moskva, Gos. izd-vo selk'khoz. lit-ry, 1951. 61 p. (53-34563)

TK4018.F36

FEFILOV, P. P.

Nochnaya osveshchennost' i raspredeleniye energii v spektre nochnogo sveta (Nocturnal Luminosity and the Distribution of Energy in the Spectrum of the Night Sky Luminance). Akademiya Nauk SSSR. Doklady, 1942, v. 34, p. 252-256.

AS262.S3663 v. 34

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Investigating the operation of an asynchronous motor with non-symmetrical fractional winding. Izv.vys.ucheb.zav.; elektromekh. 8 no.3:350-353 '65. (MIRA 18:5)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Fefilov). 2. Zaveduyushchiy kafedroy elektricheskikh mashin Chelyabinskogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.

FEFILOV, V. A.

USSR/General Problems. Methodology, History, Scientific Institutions and Conferences, Instruction, Questions Concerning Bibliography and Scientific Documentation. A

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3460.

Author : N.A. Smirnov, A.S. Yablonskiy, V.A. Fefilov, Z.N. Pukhovitskaya, Ya. M. Koldobskiy.

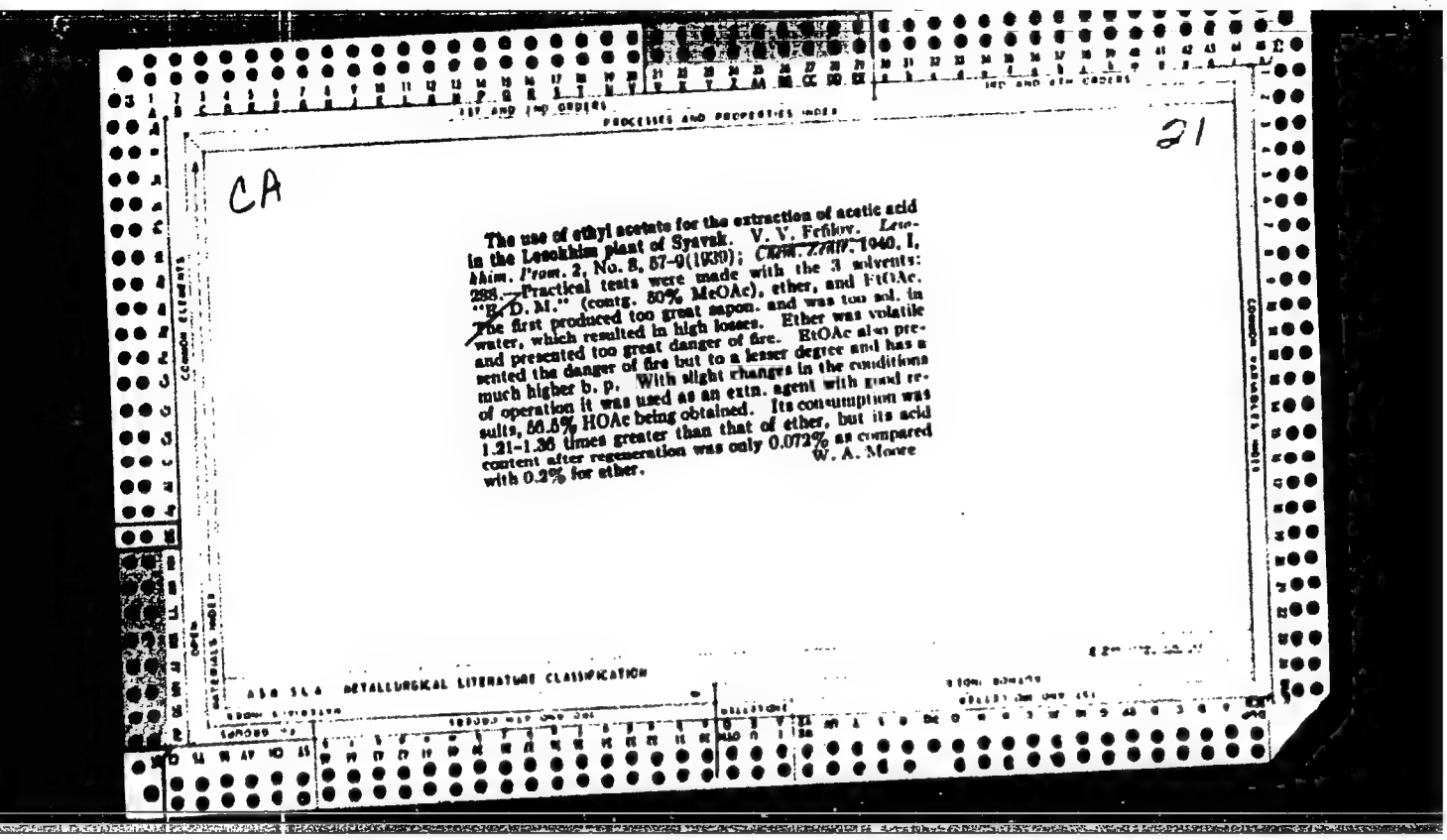
Inst :

Title : Development of Leningrad Bread Beaking Industry.

Orig Pub: in symposium: Pishchevaya prom-st', L., Sel'khozgiz, 1957, 23-41.

Abstract: No abstract.

Card : 1/1 -11-



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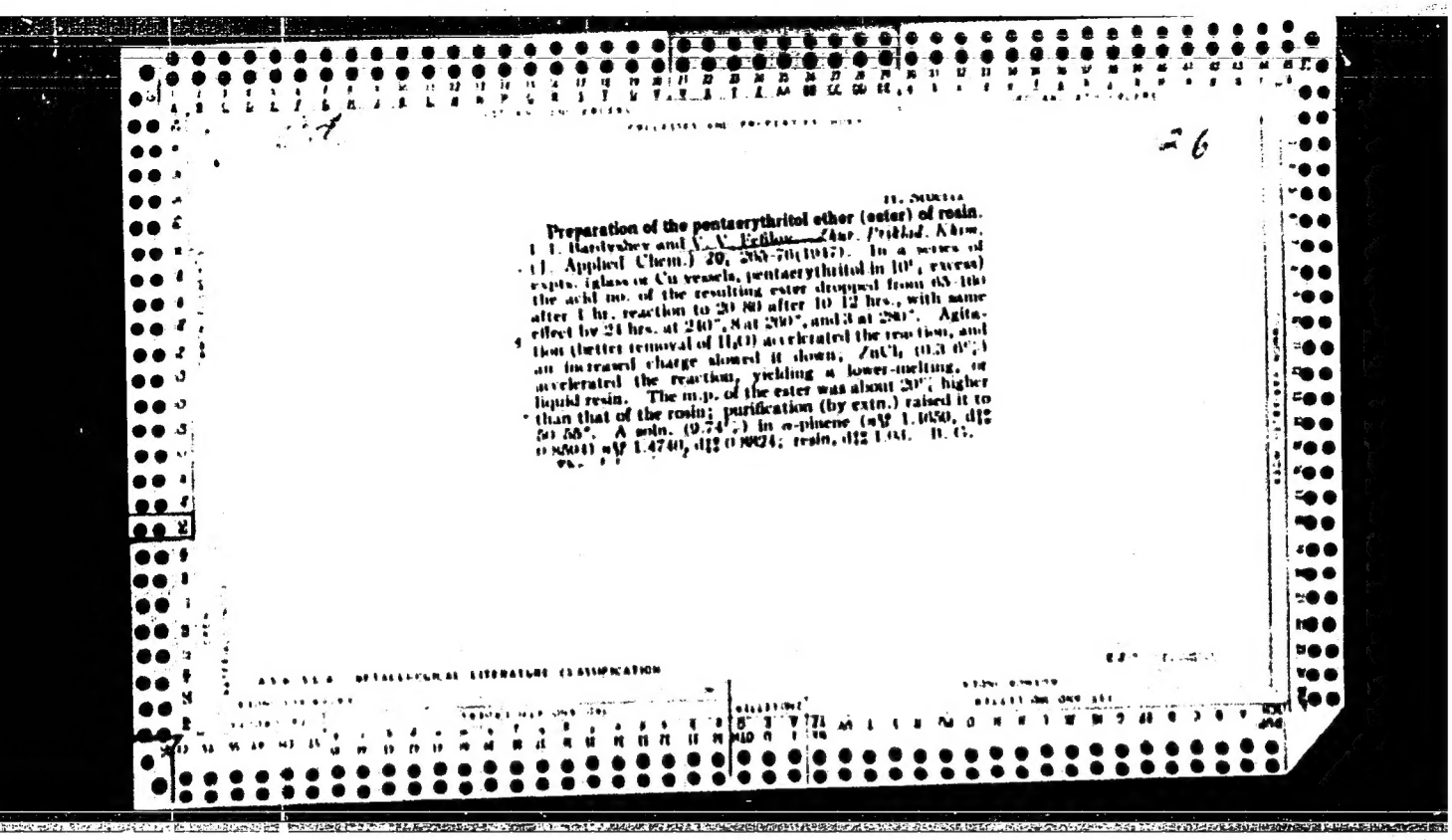
The use of ethyl acetate for the extraction of acetic acid in the Lenokhim plant of Syzvak. V. V. Fetilov. *Leokhim. Prom.* 2, No. 8, 57-9(1939); *Chem. Zentr.*, 1940, I, 2935.—Practical tests were made with the 3 solvents: "B. D. M." (contg. 50% MeOAc), ether, and EtOAc. The first produced too great vapor. and was too sol. in water, which resulted in high losses. Ether was volatile and presented too great danger of fire. EtOAc also presented the danger of fire but to a lesser degree and has a much higher b. p. With slight changes in the conditions of operation it was used as an extn. agent with good results, 66.5% HOAc being obtained. Its consumption was 1.21–1.36 times greater than that of ether, but its acid content after regeneration was only 0.072% as compared with 0.2% for ether.

W. A. Moore

A 53 54 A METALLURGICAL LITERATURE CLASSIFICATION



Preparation of the pentaerythritol ether (ester) of rosin.
I. I. Bardyshev and [illegible] Zhur. Prikhl. Khim. (J. Applied Chem.) 20, 383-70(1947). In a series of expts. (glass or Cu vessels, pentaerythritol in 10% excess) the acid no. of the resulting ester dropped from 65-110 after 1 hr. reaction to 20-80 after 10-12 hrs., with same effect by 24 hrs. at 240°, 8 at 260°, and 3 at 280°. Agitation (better removal of H_2O) accelerated the reaction, and an increased charge showed it down. $ZnCl_2$ (0.3-0.5%) accelerated the reaction, yielding a lower-melting, or liquid resin. The m.p. of the ester was about 20° higher than that of the rosin; purification (by extn.) raised it to 50-55°. A soln. (9.74%) in α-pinene (n_D^{20} 1.4650, d_4^{20} 0.8561) n_D^{20} 1.4740, d_4^{20} 0.9924; resin, d_4^{20} 1.041. H. G.

Gordon, L. V., Pollov, V. V., Skvortsov, S. [illegible] Atamanchukov, [illegible] Technology of Forest-Chemical Industries] prelsvolatv. (Technology of Forest-Chemical Industries) Moscow: Goslesbumizdat, 1953. 451 pp. [illegible] viewed in *Derevopererabatyvayushchaya i lesokhimicheskaya promyshlennost'*, No. 1, 36(1954).

FEFILOV, V.V.; KORCHEMKIN, F.I.

Leonid Petrovich Zherebov; on his 90th birthday. Der.i lesokhim.prom. 2no.6:22 Je '53. (MLRA 6:5)

(Zherebov, Leonid Petrovich, 1863-)

FEFILOV, V.V.

~~DOBRYNIN, B.I.~~

"Technology of wood chemistry production processes." L.V.Gordon, V.V.Fefilov, S.O.Skvortsov, G.D.Atamanchukov. Reviewed by B.I. Dobrynin. Der.i lesokhim.prom.3 no.1:30 Ja '54. (MLRA 7:2)

1. Glavnyy inzhener Glavleskhima (for Dobrynin).
(Wood--Chemistry) (Gordon, L.V.) (Fefilov, V.V.)